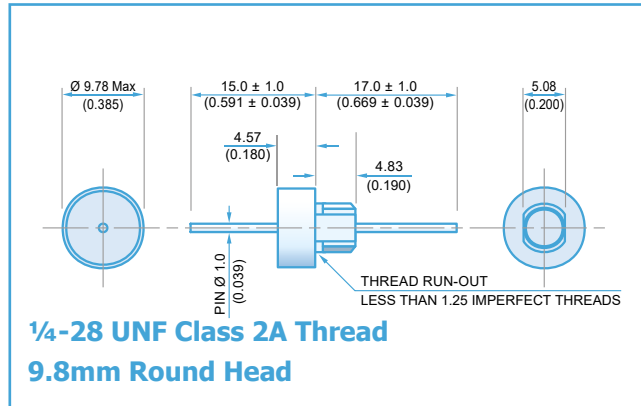




Electrical Details

Electrical Configuration	C Filter
Capacitance Measurement	@ 1000hr Point
Current Rating	15A
Insulation Resistance (IR)	10GΩ or 1000ΩF
Temperature Rating	-55°C to +125°C
Ferrite Inductance (Typical)	Not Applicable



Mechanical Details

Head Diameter	9.8mm (0.386")
Nut A/F	7.92mm (0.312")
Washer Diameter	11.35mm (0.447")
Mounting Torque	0.9Nm (7.97lbf in) max.
Mounting Hole Diameter	6.7mm (0.264") O.D. 5.3mm (0.208") A/F
Max. Panel Thickness	2.3mm (0.091")
Weight (Typical)	3.0g (0.11oz)
Finish ** (see notes below)	Silver plate on copper undercoat

Product Code	Capacitance (±20%)	Dielectric	Rated Voltage (Vdc)	DWV (Vdc)	Typical No-Load Insertion Loss (dB)					
					0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz
SFJGC3K00101MC	100pF	COG/NP0	3kV#	3.6kV	-	-	-	-	4	22
SFJGC3K00151MC	150pF				-	-	-	-	7	25
SFJGC3K00221MC	220pF				-	-	-	-	10	29
SFJGC2K00331MC	330pF				-	-	-	-	13	33
SFJGC2K00471MC	470pF				-	-	-	1	16	35
SFJGC2K00681MC	680pF		2kV#	2.4kV	-	-	-	2	19	39
SFJGC2K00102MC	1.0nF				-	-	-	4	23	41
SFJGC2K00152MX	1.5nF				-	-	-	7	26	45
SFJGC2K00222MX	2.2nF				-	-	-	10	30	50
*SFJGC2K00332MX	3.3nF				-	-	-	13	33	52
SFJGC2K00472MX	4.7nF				-	-	1	16	36	55
*SFJGC2K00682MX	6.8nF				-	-	2	19	39	57
SFJGC2K00103MX	10nF		1kV#	1.2kV	-	-	4	22	41	60
SFJGC1K00153MX	15nF				-	-	7	25	44	62
SFJGC1K00223MX	22nF				-	-	10	29	46	65
*SFJGC1K00333MX	33nF				-	-	13	33	48	68
SFJGC1K00473MX	47nF				-	1	16	35	50	70
*SFJGC1K00683MX	68nF				-	2	19	39	54	>70
SFJGC5000104MX	100nF	X7R	500#	750	-	4	22	41	57	>70
*SFJGC5000154MX	150nF				-	7	25	45	60	>70
SFJGC5000224MX	220nF				-	10	29	49	62	>70
*SFJGC5000334MX	330nF				-	13	33	52	66	>70
SFJGC5000474MX	470nF				1	16	35	55	68	>70
SFJGC3000684MX	680nF				2	19	38	58	70	>70
*SFJGC2000105MX	1.0μF				4	22	41	61	>70	>70
*SFJGC1000155MX	1.5μF				7	25	45	64	>70	>70
*SFJGC1000225MX	2.2μF				10	29	48	66	>70	>70
SFJGC0500335MX	3.3μF		50	125	14	34	52	70	>70	>70

Also rated for operation at 115Vac 400Hz. Self-heating will occur - evaluation in situ recommended. * Recommended values.

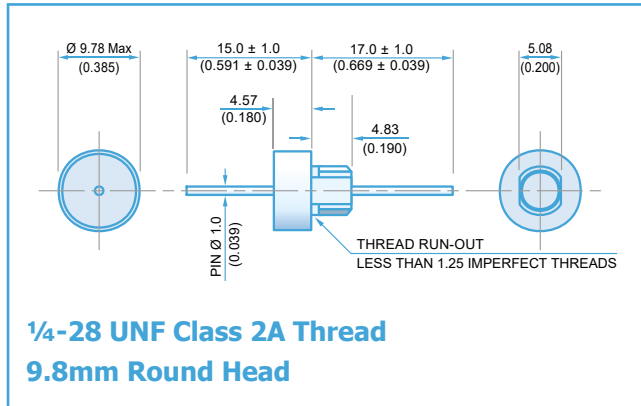
Ordering Information - SFJGC range Note: Ordering code can have up to 4 additional digits on the end to denote special requirements

SF	J	G	C	050	0335	M	X	1
Type	Case style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Tolerance	Dielectric	Nuts & Washers
Syfer Filter	9.78mm Max Dia.	1/4-28 UNF 5.08mm A/F	C = C Filter	050 = 50V 100 = 100V 200 = 200V 300 = 300V 500 = 500V 1K0 = 1kV 2K0 = 2kV 3K0 = 3kV	First digit is 0. Second and third digits are significant figures of capacitance code. The fourth digit is number of zeros following Example: 0101 = 100pF 0332 = 3300pF	M = ±20%	C = COG/NP0 X = X7R	1 = Nut & Wavy Washer 3 = Nut & Toothed Lockwasher

Note: The addition of a 4-digit numerical suffix code can be used to denote changes to the standard part.

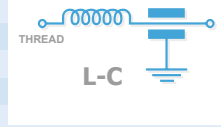
Options include for example: change of pin length / custom body dimensions or threads / alternative voltage rating / non-standard intermediate capacitance values / test requirements.

** Standard Option 90Sn/10Pb plating finish on all metalwork (body, pin, nut and wavy washer) specified by suffix code /0100. Please refer specific requests to the factory.



Electrical Details

Electrical Configuration	L-C Filter
Capacitance Measurement	@ 1000hr Point
Current Rating	15A
Insulation Resistance (IR)	10GΩ or 1000ΩF
Temperature Rating	-55°C to +125°C
Ferrite Inductance (Typical)	500nH @ 1MHz



Mechanical Details

Head Diameter	9.8mm (0.386")
Nut A/F	7.92mm (0.312")
Washer Diameter	11.35mm (0.447")
Mounting Torque	0.9Nm (7.97lbf in) max.
Mounting Hole Diameter	6.7mm (0.264") O.D. 5.3mm (0.208") A/F
Max. Panel Thickness	2.3mm (0.091")
Weight (Typical)	3.0g (0.11oz)
Finish ** (see notes below)	Silver plate on copper undercoat

Product Code	Capacitance (±20%)	Dielectric	Rated Voltage (dc)	DWV (dc)	Typical No-Load Insertion Loss (dB)					
					0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz
SFJGL3K00101MC	100pF	COG/NP0	3kV#	3.6kV					7	24
SFJGL3K00151MC	150pF								10	27
SFJGL3K00221MC	220pF								12	30
SFJGL2K00331MC	330pF							1	16	34
SFJGL2K00471MC	470pF							2	19	38
SFJGL2K00681MC	680pF							3	22	41
SFJGL2K00102MC	1.0nF	X7R	2kV#	2.4kV				6	25	44
SFJGL2K00152MX	1.5nF							9	29	48
SFJGL2K00222MX	2.2nF							12	31	51
*SFJGL2K00332MX	3.3nF							15	35	54
SFJGL2K00472MX	4.7nF						1	18	39	57
*SFJGL2K00682MX	6.8nF						2	21	41	60
*SFJGL2K00103MX	10nF		1kV#	1.2kV			4	23	43	63
SFJGL1K00153MX	15nF						7	27	46	66
SFJGL1K00223MX	22nF						10	30	48	68
*SFJGL1K00333MX	33nF						13	34	50	70
SFJGL1K00473MX	47nF					1	17	37	51	>70
*SFJGL1K00683MX	68nF					2	20	40	55	>70
SFJGL5000104MX	100nF		500#	750		4	22	44	60	>70
*SFJGL5000154MX	150nF					7	25	47	62	>70
SFJGL5000224MX	220nF					10	29	49	66	>70
*SFJGL5000334MX	330nF					13	33	53	68	>70
SFJGL5000474MX	470nF				1	16	35	56	70	>70
SFJGL3000684MX	680nF				2	19	38	58	>70	>70
*SFJGL2000105MX	1.0μF		200	500	4	22	41	61	>70	>70
*SFJGL1000155MX	1.5μF				7	25	45	64	>70	>70
*SFJGL1000225MX	2.2μF				10	29	48	66	>70	>70
*SFJGL0500335MX	3.3μF				14	34	52	70	>70	>70

Also rated for operation at 115Vac 400Hz. Self-heating will occur - evaluation in situ recommended. * Recommended values.

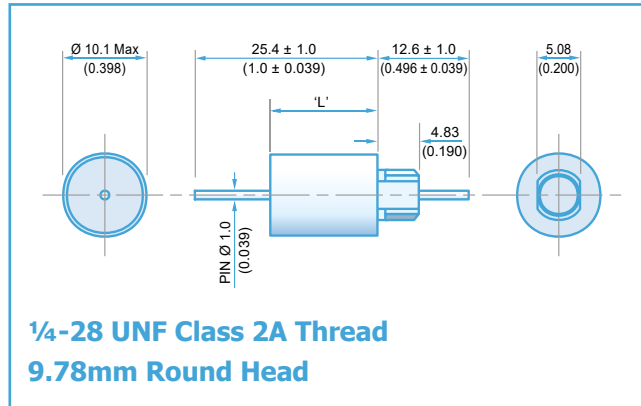
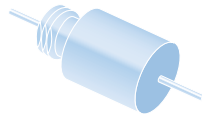
Ordering Information - SFJGL range Note: Ordering code can have up to 4 additional digits on the end to denote special requirements

SF	J	G	L	050	0335	M	X	1
Type	Case style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Tolerance	Dielectric	Nuts & Washers
Syfer Filter	9.78mm Max Dia.	1/4-28 UNF 5.08mm A/F	L = L-C Filter	050 = 50V 100 = 100V 200 = 200V 300 = 300V 500 = 500V 1K0 = 1kV 2K0 = 2kV 3K0 = 3kV	First digit is 0. Second and third digits are significant figures of capacitance code. The fourth digit is number of zeros following Example: 0101 = 100pF 0332 = 3300pF	M = ±20%	C = COG/NP0 X = X7R	1 = Nut & Wavy Washer 3 = Nut & Toothed Lockwasher

Note: The addition of a 4-digit numerical suffix code can be used to denote changes to the standard part.

Options include for example: change of pin length / custom body dimensions or threads / alternative voltage rating / non-standard intermediate capacitance values / test requirements.

** Standard Option 90Sn/10Pb plating finish on all metalwork (body, pin, nut and wavy washer) specified by suffix code /0100. Please refer specific requests to the factory.



Electrical Details

Electrical Configuration	Pi Filter
Capacitance Measurement	@ 1000hr Point
Current Rating	15A
Insulation Resistance (IR)	10GΩ or 1000ΩF
Temperature Rating	-55°C to +125°C
Ferrite Inductance (Typical)	2.5μH @ 1MHz



Mechanical Details

Head Diameter	9.8mm (0.386")
Nut A/F	7.92mm (0.312")
Washer Diameter	11.35mm (0.447")
Mounting Torque	0.9Nm (7.97lbf in) max.
Mounting Hole Diameter	6.7mm (0.264") O.D. 5.3mm (0.208") A/F
Max. Panel Thickness	2.3mm (0.091")
Weight (Typical)	3.0g (0.11oz)
Finish	Silver plate on copper undercoat

Product Code	Capacitance (±20%)	Dielectric	Rated Voltage (Vdc)	DWV (Vdc)	L (mm) ["]	Typical No-Load Insertion Loss (dB)					
						0.01MHz	0.1MHz	1MHz	10MHz	100MHz	1GHz
SFJGP2K00661MC	660pF	COG/NP0	2kV#	2.4kV	17.78 [0.7]				3	25	65
SFJGP2K00941MC	940pF				17.78 [0.7]				5	31	68
SFJGP2K01N36MC	1.36nF				17.78 [0.7]				7	37	>70
SFJGP2K00202MC	2.0nF				17.78 [0.7]				10	44	>70
SFJGP2K00302MX	3.0nF				17.78 [0.7]				13	51	>70
SFJGP2K00442MX	4.4nF				17.78 [0.7]			1	17	59	>70
*SFJGP2K00662MX	6.6nF				17.78 [0.7]			2	21	64	>70
SFJGP2K00942MX	9.4nF				17.78 [0.7]			4	27	68	>70
*SFJGP2K013N6MX	13.6nF				17.78 [0.7]			6	34	>70	>70
*SFJGP2K00203MX	20nF				17.78 [0.7]			9	40	>70	>70
SFJGP1K00303MX	30nF	X7R	1kV#	1.2kV	17.78 [0.7]			12	48	>70	>70
SFJGP1K00443MX	44nF				17.78 [0.7]		1	14	54	>70	>70
*SFJGP1K00663MX	66nF				17.78 [0.7]		2	17	63	>70	>70
SFJGP1K00943MX	94nF				17.78 [0.7]		4	18	68	>70	>70
*SFJGP1K0136NMX	136nF				17.78 [0.7]		8	25	>70	>70	>70
SFJGP5000204MX	200nF		500#	750	15.24 [0.6]		10	27	>70	>70	>70
*SFJGP5000304MX	300nF				15.24 [0.6]		13	30	>70	>70	>70
SFJGP5000444MX	440nF				15.24 [0.6]	1	14	45	>70	>70	>70
*SFJGP5000664MX	660nF				15.24 [0.6]	2	17	54	>70	>70	>70
SFJGP5000944MX	940nF				15.24 [0.6]	4	18	63	>70	>70	>70
SFJGP3001U36MX	1.36μF		300	600	15.24 [0.6]	8	25	68	>70	>70	>70
*SFJGP2000205MX	2.0μF				15.24 [0.6]	10	27	>70	>70	>70	>70
*SFJGP1000305MX	3.0μF				15.24 [0.6]	13	30	>70	>70	>70	>70
*SFJGP1000445MX	4.4μF				15.24 [0.6]	14	45	>70	>70	>70	>70
SFJGP0500665MX	6.6μF		50	125	15.24 [0.6]	17	54	>70	>70	>70	>70

Also rated for operation at 115Vac 400Hz. Self-heating will occur - evaluation in situ recommended. * Recommended values.

Ordering Information - SFJGP range

SF	J	G	P	050	0665	M	X	1
Type	Case style	Thread	Electrical configuration	Voltage (dc)	Capacitance in picofarads (pF)	Tolerance	Dielectric	Nuts & Washers
Syfer Filter	10.1mm Max Dia.	1/4-28 UNF 5.08mm A/F	P = Pi Filter	050 = 50V 100 = 100V 200 = 200V 300 = 300V 500 = 500V 1K0 = 1kV 2K0 = 2kV	First digit is 0. Second and third digits are significant figures of capacitance code. The fourth digit is number of zeros following Example: 0101 = 100pF 0332 = 3300pF	M = ±20%	C = COG/NP0 X = X7R	1 = Nut & Wavy Washer 3 = Nut & Toothed Lockwasher

Note: The addition of a 4-digit numerical suffix code can be used to denote changes to the standard part. Options include for example: change of pin length / custom body dimensions or threads / alternative voltage rating / non-standard intermediate capacitance values / test requirements. Please refer specific requests to the factory.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Knowles:

[SFJGL1000225MX1](#) [SFJGC1K00683MX1](#)